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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/014,146	11/28/2001	Charles G. Kappell III	2001P18437US	6639

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Siemens Corporation
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EXAMINER

WOO, ISAAC M

ART UNIT PAPER NUMBER

2162

DATE MAILED: 05/31/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/014,146

Applicant(s)

KAPPELL ET AL.

Examiner

Isaac M Woo

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 December 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-17 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-17 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This action is in response to Applicant's Amendments, filed on December 13, 2004 have been considered but are deemed moot in view of new ground of rejections below.
2. Claims 1, 4, 7, 11 15 are amended. Claims 1-17 are pending.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shah et al (U.S. Patent No. 6,041,325, hereinafter, "Shah") in view of Hedin et al (U.S. Patent No. 5,386,556, hereinafter, "Hedin").

With respect to claim 1, Shah discloses, call information database (14, Sybase database for telephone database, fig. 6, col. 6, lines 4-8) for storing call information, see (fig. 5, col. 10, lines 17-35); query engine operably coupled to the call information

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database, see (fig. 3, col. 8, lines 52-67 to col. 9, lines 1-4, schema query program queries telephone database); and graphical user interface (col. 8, lines 52-61) coupled to provide query parameter (12, lines 9-19) for accessing call information from the call information database (12, lines 9-19) in a text form (fig. 8C, col.14, lines 1-6, query inputs are text form), the query parameter defining search criteria (fig. 8C, col.14, lines 1-6, search criteria is time range), see (fig. 3, col. 8, lines 52-67 to col. 9, lines 1-4, schema query program queries telephone database. Shah does not explicitly disclose, query engine is adapted to translate the query parameter into a database-readable form. However, Hedin discloses, "If thus the input expression is a query to the database, the analysis will produce an interpretation of the query which then is translated into the query language for that data base (e.g. SQL)", see (col. 3, lines 28-33). This teaches that query input is translated data-readable form of SQL. Therefore, it would have been obvious to a person having ordinary skill in the art at the time of the invention was made to modify by incorporating query engine is adapted to translate the query parameter into a database-readable form as discussed by Hedin. Thus, one having ordinary skill in the art at the time the invention was made would have been motivated to use such a modification because that would provide Shah's system the enhanced database searching method from input query translation to database-readable form.

With respect to claim 2, Shah discloses, database-readable form comprising a Structured Query Language (SQL) form, see (col. 14, Sybase database SQL, fig. 6, col. 11, lines 36-56).

With respect to claim 3, Shah discloses, results of a query are provided to the graphical user interface in a text-readable form, see (114, fig. 9, col. 12, lines 19-28, col. 15, lines 33-44).

With respect to claim 4, Shah discloses, inputting call center database text query information (fig. 8C, col.14, lines 1-6, query inputs are text form) for accessing call information from a call information database (14, Sybase database for telephone database, fig. 6, col. 6, lines 4-8), see (fig. 5, col. 10, lines 17-35) into graphical user interface (col. 8, lines 52-61) the query parameters defining search criteria (fig. 8C, col.14, lines 1-6, search criteria is time range), returning a result of the database-readable query to the graphical user interface for display, see (114, fig. 9, col. 12, lines 19-28, col. 15, lines 33-44). Shah does not explicitly disclose, query engine is adapted to translate the query parameter into a database-readable form. However, Hedin discloses, "If thus the input expression is a query to the database, the analysis will produce an interpretation of the query which then is translated into the query language for that data base (e.g. SQL)", see (col. 3, lines 28-33). This teaches that query input is translated data-readable form of SQL. Therefore, it would have been obvious to a person having ordinary skill in the art at the time of the invention was made to modify by incorporating query engine is adapted to translate the query parameter into a database-readable form as discussed by Hedin. Thus, one having ordinary skill in the art at the time the invention was made would have been motivated to use such a modification

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because that would provide Shah's system the enhanced database searching method from input query translation to database-readable form.

With respect to claim 5, Shah discloses, database-readable form comprising a Structured Query Language (SQL) form, see (col. 14, Sybase database SQL, fig. 6, col. 11, lines 36-56).

With respect to claim 6, Shah discloses, selecting one or more fields to view from a first graphical user interface window; selecting predetermined criteria to apply to the fields using a second graphical and user interface window, see (fig. 8C, col.14, lines 1-6, query inputs are text form).

With respect to claim 7, Shah discloses, telecommunications network one or more, a switch configured to switch calls between devices on the one or more telecommunications network (fig. 1, col. 6, lines 42-67 to col. 7, lines 1-10); call information database (14, Sybase database for telephone database, fig. 6, col. 6, lines 4-8) for storing call information, see (fig. 5, col. 10, lines 17-35); query engine operably coupled to the call information database, see (fig. 3, col. 8, lines 52-67 to col. 9, lines 1-4, schema query program queries telephone database); and graphical user interface (col. 8, lines 52-61) coupled to provide query parameter (12, lines 9-19) for accessing call information from the call information database (12, lines 9-19) in a text form (fig. 8C, col.14, lines 1-6, query inputs are text form), the query parameter defining search

criteria (fig. 8C, col.14, lines 1-6, search criteria is time range), see (fig. 3, col. 8, lines 52-67 to col. 9, lines 1-4, schema query program queries telephone database. Shah does not explicitly disclose, query engine is adapted to translate the query parameter into a database-readable form. However, Hedin discloses, "If thus the input expression is a query to the database, the analysis will produce an interpretation of the query which then is translated into the query language for that data base (e.g. SQL)", see (col. 3, lines 28-33). This teaches that query input is translated data-readable form of SQL. Therefore, it would have been obvious to a person having ordinary skill in the art at the time of the invention was made to modify by incorporating query engine is adapted to translate the query parameter into a database-readable form as discussed by Hedin. Thus, one having ordinary skill in the art at the time the invention was made would have been motivated to use such a modification because that would provide Shah's system the enhanced database searching method from input query translation to database-readable form.

With respect to claim 8, Shah discloses, database-readable form comprising a Structured Query Language (SQL) form, see (col. 14, Sybase database SQL, fig. 6, col. 11, lines 36-56).

With respect to claim 9, Shah discloses, results of a query are provided to the graphical user interface in a text-readable form, see (114, fig. 9, col. 12, lines 19-28, col. 15, lines 33-44).

With respect to claim 10, Shah discloses, first screen for selecting fields for searching; second screen for entering search criteria for the fields, and third screen for displaying results of the searching, see (fig. 8C, col.14, lines 1-6, query inputs are text form).

With respect to claim 11, Shah discloses, telecommunications network one or more, a switch configured to switch calls between devices on the one or more telecommunications network (fig. 1, col. 6, lines 42-67 to col. 7, lines 1-10); call information database (14, Sybase database for telephone database, fig. 6, col. 6, lines 4-8) for storing call information, see (fig. 5, col. 10, lines 17-35); query engine operably coupled to the call information database, see (fig. 3, col. 8, lines 52-67 to col. 9, lines 1-4, schema query program queries telephone database); and graphical user interface (col. 8, lines 52-61) coupled to provide query parameter (12, lines 9-19) for accessing call information from the call information database (12, lines 9-19) in a text form (fig. 8C, col.14, lines 1-6, query inputs are text form), the query parameter defining search criteria (fig. 8C, col.14, lines 1-6, search criteria is time range), see (fig. 3, col. 8, lines 52-67 to col. 9, lines 1-4, schema query program queries telephone database. Shah does not explicitly disclose, query engine is adapted to translate the query parameter into a database-readable form. However, Hedin discloses, "If thus the input expression is a query to the database, the analysis will produce an interpretation of the query which then is translated into the query language for that data base (e.g. SQL)", see (col. 3,

lines 28-33). This teaches that query input is translated data-readable form of SQL.

Therefore, it would have been obvious to a person having ordinary skill in the art at the time of the invention was made to modify by incorporating query engine is adapted to translate the query parameter into a database-readable form as discussed by Hedin.

Thus, one having ordinary skill in the art at the time the invention was made would have been motivated to use such a modification because that would provide Shah's system the enhanced database searching method from input query translation to database-readable form.

With respect to claim 12, Shah discloses, database-readable form comprising a Structured Query Language (SQL) form, see (col. 14, Sybase database SQL, fig. 6, col. 11, lines 36-56).

With respect to claim 13, Shah discloses, results of a query are provided to the graphical user interface in a text-readable form, see (114, fig. 9, col. 12, lines 19-28, col. 15, lines 33-44).

With respect to claim 14, Shah discloses, first screen for selecting fields for searching; second screen for entering search criteria for the fields, and third screen for displaying results of the searching, see (fig. 8C, col.14, lines 1-6, query inputs are text form).

With respect to claim 15, Shah discloses, call information database (14, Sybase database for telephone database, fig. 6, col. 6, lines 4-8) for storing call information, see (fig. 5, col. 10, lines 17-35); query engine operably coupled to the call information database, see (fig. 3, col. 8, lines 52-67 to col. 9, lines 1-4, schema query program queries telephone database); and graphical user interface (col. 8, lines 52-61) coupled to provide query parameter (12, lines 9-19) for accessing call information from the call information database (12, lines 9-19) in a text form (fig. 8C, col.14, lines 1-6, query inputs are text form), the query parameter defining search criteria (fig. 8C, col.14, lines 1-6, search criteria is time range), see (fig. 3, col. 8, lines 52-67 to col. 9, lines 1-4, schema query program queries telephone database. Shah does not explicitly disclose, query engine is adapted to translate the query parameter into a database-readable form. However, Hedin discloses, "If thus the input expression is a query to the database, the analysis will produce an interpretation of the query which then is translated into the query language for that data base (e.g. SQL)", see (col. 3, lines 28-33). This teaches that query input is translated data-readable form of SQL. Therefore, it would have been obvious to a person having ordinary skill in the art at the time of the invention was made to modify by incorporating query engine is adapted to translate the query parameter into a database-readable form as discussed by Hedin. Thus, one having ordinary skill in the art at the time the invention was made would have been motivated to use such a modification because that would provide Shah's system the enhanced database searching method from input query translation to database-readable form.

With respect to claim 16, Shah discloses, database-readable form comprising a Structured Query Language (SQL) form, see (col. 14, Sybase database SQL, fig. 6, col. 11, lines 36-56).

With respect to claim 17, Shah discloses, results of a query are provided to the graphical user interface in a text-readable form, see (114, fig. 9, col. 12, lines 19-28, col. 15, lines 33-44).

Conclusion

5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.


Contact Information

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Isaac M Woo whose telephone number is (571) 272-4043. The examiner can normally be reached on 8:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John E Breene can be reached on (571) 272-4107. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

IMW
May 19, 2005


JEAN M. CORRIELUS
PRIMARY EXAMINER